

What is claimed is:

1. A high melting point copolymer prepared by heat-polymerizing cyclopentadiene and/or dicyclopentadiene and a vinyl-substituted aromatic compound, wherein a use amount of a solvent in heat polymerization is 0.1 time or more and less than 0.5 time based on the mass of the whole monomers, and the copolymer has a softening point falling in a range of 100 to 135°C.
2. A production process for a high melting point copolymer having a softening point falling in a range of 100 to 135°C, wherein cyclopentadiene and/or dicyclopentadiene and a vinyl-substituted aromatic compound are heat-polymerized in the presence of a solvent of 10 mass parts or more and less than 50 mass parts per 100 mass parts of the monomers.
3. A hydrogenated copolymer obtained by hydrogenating the high melting point copolymer as described in claim 1.
4. The hydrogenated copolymer as described in claim 3, wherein the softening point falls in a range of 125 to 160°C.

5. The hydrogenated copolymer as described in claim 4, wherein the softening point falls in a range of 135 to 160°C.